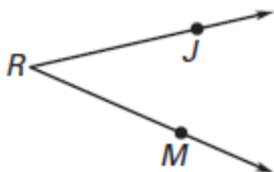


Unit 2 Worksheet 4 (review)

For #1-2, give 3 names for the given angle. Then name the vertex and the sides of the angle. (Target A)

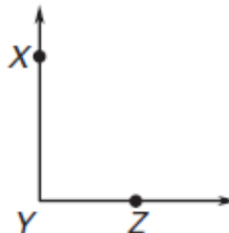
1.)



Names \_\_\_\_\_

Vertex \_\_\_\_\_ Sides \_\_\_\_\_

2.)



Names \_\_\_\_\_

Vertex \_\_\_\_\_ Sides \_\_\_\_\_

For #3 - 10, classify each angle as *acute*, *right*, *obtuse* or *straight*. (Target 2C)

3.)  $\angle EOD$  \_\_\_\_\_

4.)  $\angle EOB$  \_\_\_\_\_

5.)  $\angle COD$  \_\_\_\_\_

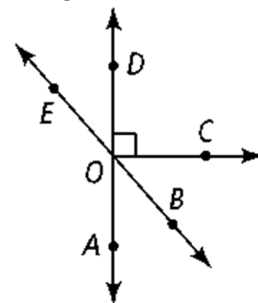
6.)  $\angle BOD$  \_\_\_\_\_

7.)  $\angle EOC$  \_\_\_\_\_

8.)  $\angle DOA$  \_\_\_\_\_

9.)  $\angle AOC$  \_\_\_\_\_

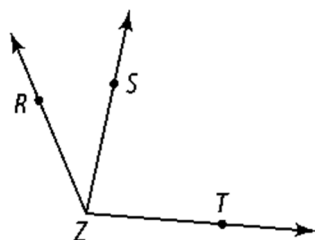
10.)  $\angle BOA$  \_\_\_\_\_



For #11 & 12, find the missing angle measures (Target 2D)

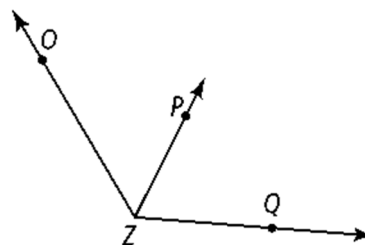
11.) If  $m\angle RZS = 41^\circ$  and  $m\angle SZT = 87^\circ$ ,

find  $m\angle RZT$



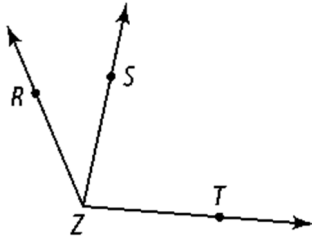
12.) If  $m\angle OZP = 62^\circ$  and  $m\angle OZQ = 139^\circ$ ,

find  $m\angle PZQ$

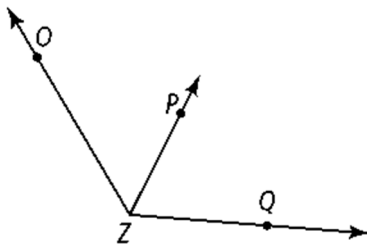


For #13-15, solve for the variable and the indicated angle (Target 2D)

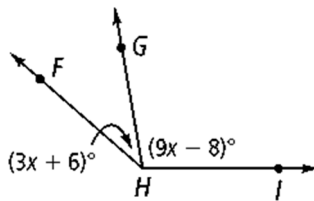
13.) If  $m\angle RZT = 110$ ,  $m\angle RZS = 3s$ , and  $m\angle TZS = 8s$ , what are  $m\angle RZS$  and  $m\angle TZS$ ?



14.)  $m\angle OZP = 4r + 2$ ,  $m\angle PZQ = 5r - 12$ , and  $m\angle OZQ = 125$ . What are  $m\angle OZP$  and  $m\angle PZQ$ ?



15.) If  $m\angle FHI = 142$ , what are  $m\angle FHG$  and  $m\angle GHI$ ?



For #16-19, use the picture at the right to answer the questions. (Target 2D)

$\overline{BD}$  bisects  $\angle ABC$

16.) Name the congruent angles \_\_\_\_\_

17.) If  $m\angle ABC = 64^\circ$ , find  $m\angle DBC$  \_\_\_\_\_

18.) If  $m\angle ABD = 19^\circ$ , find  $m\angle ABC$  \_\_\_\_\_

19.) If  $\angle ABD = 3x + 8$  and  $\angle CBD = 4x - 3$ , find  $m\angle ABC$ .

